

05-90
0328

#8



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/939,780

DATE: 04/01/2002

TIME: 15:06:44

Input Set : N:\Cr3\RULE60\09939780.raw

Output Set: N:\CRF3\04012002\I939780.raw

1 <110> APPLICANT: O'Connor, Michael
 2 <120> TITLE OF INVENTION: Immunological Assay for Spongiform Encephalopathies
 3 <130> FILE REFERENCE: 50002US
 4 <140> CURRENT APPLICATION NUMBER: 09/939,780
 5 <141> CURRENT FILING DATE: 2001-08-28
 7 <150> PRIOR APPLICATION NUMBER: 09/147,761
 8 <151> PRIOR FILING DATE: 1999-03-03
 11 <150> PRIOR APPLICATION NUMBER: PCT/IE98/00007
 12 <151> PRIOR FILING DATE: 1998-02-06

13 <160> NUMBER OF SEQ ID NOS: 5

14 <170> SOFTWARE: PatentIn Ver. 2.1

16 <210> SEQ ID NO: 1

17 <211> LENGTH: 45

18 <212> TYPE: PRT

19 <213> ORGANISM: Artificial Sequence

20 <220> FEATURE:

21 <221> NAME/KEY: UNSURE

22 <222> LOCATION: (45)

23 <223> OTHER INFORMATION: any amino acid

24 <223> OTHER INFORMATION: Description of Artificial Sequence: prion protein
 25 specific synthetic peptide

W--> 26 <400> 1

27 Met Val Lys Ser His Ile Gly Ser Trp Ile Leu Val Leu Phe Val Val

28 1 5 10 15

29 Ala Met Trp Ser Asp Val Gly Leu Cys Lys Lys Arg Pro Lys Pro Gly

30 20 25 30

W--> 31 Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Xaa

32 35 40 45

34 <210> SEQ ID NO: 2

35 <211> LENGTH: 43

36 <212> TYPE: PRT

37 <213> ORGANISM: Artificial Sequence

38 <220> FEATURE:

39 <223> OTHER INFORMATION: Description of Artificial Sequence: prion protein
 40 specific synthetic peptide

41 <400> SEQUENCE: 2

42 Gly Ser Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Trp

43 1 5 10 15

44 Gly Gln Pro His Gly Gly Gly Trp Gly Gln Pro His Gly Gly Gly Trp

45 20 25 30

46 Gly Gln Pro His Gly Gly Gly Gln Gly Gln Pro

47 35 40

49 <210> SEQ ID NO: 3

ENTERED

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50 <211> LENGTH: 43
51 <212> TYPE: PRT
52 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: Description of Artificial Sequence:prion protein
55     specific synthetic peptide
56 <400> SEQUENCE: 3
57     Gly Gly Gly Gly Trp Gly Gln Gly Gly Ser His Ser Gln Trp Asn Lys
58         1             5             10             15
59     Pro Ser Lys Pro Pro Lys Thr Asn Met Lys His Val Ala Gly Ala Ala
60         20             25             30
61     Ala Gly Ala Val Val Gly Gly Leu Gly Gly Tyr
62         35             40
64 <210> SEQ ID NO: 4
65 <211> LENGTH: 46
66 <212> TYPE: PRT
67 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Description of Artificial Sequence:prion protein
70     specific synthetic peptide
71 <400> SEQUENCE: 4
72     Met Leu Gly Ser Ala Met Ser Ser Pro Leu Ile His Phe Gly Asn Asp
73         1             5             10             15
74     Tyr Glu Asp Arg Tyr Thr Arg Glu Asn Met Tyr Arg Tyr Pro Asn Gln
75         20             25             30
76     Val Tyr Tyr Arg Pro Val Asp Arg Tyr Ser Asn Gln Asn Asn
77         35             40             45
79 <210> SEQ ID NO: 5
80 <211> LENGTH: 33
81 <212> TYPE: PRT
82 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Description of Artificial Sequence:prion protein
85     specific synthetic peptide
W--> 86 <221> NAME/KEY: UNSURE
87 <222> LOCATION: (1)
88 <223> OTHER INFORMATION: one or more amino acid(s); some may be missing.
W--> 89 <221> VARIANT
90 <222> LOCATION: (2)
91 <223> OTHER INFORMATION: Met, Leu, or Phe
W--> 92 <221> VARIANT
93 <222> LOCATION: (5)
94 <223> OTHER INFORMATION: Met or Val
W--> 95 <221> VARIANT
96 <222> LOCATION: (11)
97 <223> OTHER INFORMATION: Ala or absent
W--> 98 <221> VARIANT
99 <222> LOCATION: (31)
100 <223> OTHER INFORMATION: Leu, Ile, or Met

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Output Set: N:\CRF3\04012002\I939780.raw

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W--> 101 <221> VARIANT
      102 <222> LOCATION: (32)
      103 <223> OTHER INFORMATION: Leu, Ile, or Met
W--> 104 <221> UNSURE
      105 <222> LOCATION: (33)
      106 <223> OTHER INFORMATION: one or more amino acid(s); some may be missing.
W--> 107 <400> 5
W--> 108      Xaa Xaa Lys His Xaa Ala Gly Ala Ala Ala Xaa Gly Ala Val Val Gly
      109          1              5              10              15
W--> 110      Gly Leu Gly Gly Tyr Met Leu Gly Ser Ala Met Ser Arg Pro Xaa Xaa
      111          20              25              30
W--> 112      Xaa

```

RAW SEQUENCE LISTING ERROR SUMMARY
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Input Set : N:\Crf3\RULE60\09939780.raw
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 45

Seq#:5; Xaa Pos. 1,2,5,11,31,32,33

VERIFICATION SUMMARY

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Input Set : N:\Crf3\RULE60\09939780.raw

Output Set: N:\CRF3\04012002\I939780.raw

L:26 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:31 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:32
L:86 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:89 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:92 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:95 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:98 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:101 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:104 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:107 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:16
L:112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:32